



**Enzo Biochem, Inc.**  
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New York, NY 10022  
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fax: 212.583.0150

December 31, 2003

VIA FEDERAL EXPRESS

Examiner Ardin H. Marschel, Ph.D.  
United States Patent & Trademark Office  
Crystal Mall One  
1911 South Clark Place Street  
Arlington, VA 22202

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U.S. PATENT AND TRADEMARK OFFICE  
DEPT. OF COMMERCE  
JAN 05 2004  
1600/2900

Attention: 7th Floor Reception - Group Art Unit 1631

04 JAN - 2 AM 8:53

Re: U.S. Patent Application Serial No. 08/486,069  
Inventors: Dean L. Englehardt et al.  
For: NUCLEIC ACID SEQUENCING PROCESSES USING NON-RADIOACTIVE DETECTABLE  
MODIFIED OR LABELED NUCLEOTIDES OR NUCLEOTIDE ANALOGS, AND OTHER  
PROCESSES FOR NUCLEIC ACID DETECTION AND CHROMOSOMAL  
CHARACTERIZATION USING SUCH NON-RADIOACTIVE DETECTABLE MODIFIED OR  
LABELED NUCLEOTIDES OR NUCLEOTIDE ANALOGS  
Our Reference: Enz-5(D8)(C2)

Dear Dr. Marschel:

Just to let you know -- a paper was hand delivered to the United States Patent and Trademark Office today in connection with the above-identified application. The paper is titled "Amendment (Following Office Action of July 1, 2003)."

A copy of the first page of the Amendment is enclosed for your information.

I will contact you in a couple of weeks to check on your availability for an office interview. Hopefully, the scanning process will have been completed in the Patent Office by that time.

Please do not hesitate to contact us if you have any questions or comments, or if you require a complete copy of the Amendment.

Cordially, & Best wishes in the New Year!

Ronald C. Fedus  
Corporation and Patent Counsel

Enclosure

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicant(s): Dean Engelhardt et al. )  
Serial No.: 08/486,069 ) Group Art Unit: 1631  
Filed: June 7, 1995 ) Ex'r: Ardin H. Marschel, Ph.D.  
For: NUCLEIC ACID SEQUENCING PROCESSES )  
USING MODIFIED NUCLEOTIDES OR NUCLEO- )  
TIDE ANALOGS, AND OTHER PROCESSES FOR )  
NUCLEIC ACID DETECTION AND CHROMO- )  
SOMAL CHARACTERIZATION USING SUCH )  
MODIFIED NUCLEOTIDES OR NUCLEOTIDE )  
ANALOGS (As Previously Amended) )

COPY

December 31, 2003

FILED BY HAND

Commissioner of Patents  
Washington, D.C. 20231

AMENDMENT  
[Following Office Action of July 1, 2003]

Sir:

This paper is directed to the July 1, 2003 Office Action. A response was originally due October 1, 2003. Filed herewith is a Petition requesting a three-month extension of time. With the extension, the time for response is extended to January 2, 2003.

Remarks begin on page 2 of this paper. Amendments to the Abstract are on page 16 of this paper. Amendments to the claims begin on page 17 of this paper.

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1634

December 31, 2003

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Examiner Carla J. Myers  
United States Patent & Trademark Office  
Crystal Mall One  
1911 South Clark Place Street  
Arlington, VA 22202

JAN 05 2004

TECH CENTER 1600/2900

**Attention:** 7th Floor Reception - Group Art Unit 1634

**Re:** U.S. Patent Application Serial No. 08/956,566  
**Inventors:** Stavrianopoulos et al.  
**For:** NUCLEIC ACID COMPOSITIONS WITH PROPERTY CHANGE EFFECTING  
INTERCALATING AROMATIC COMPOUNDS  
Our Reference: Enz-26(C2)

04 JAN - 2 AM 8:53

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Dear Examiner Myers:

This is to let you know that a supplemental paper to Applicants' November 3, 2003 Amendment Under 37 C.F.R. §1.115 was filed yesterday in connection with the above-identified application. The paper is titled "Supplemental Amendment To Applicants' November 3, 2003 Amendment Under 37 C.F.R. §1.115."

In the Supplemental Amendment, several claims, including independent claims 685 and 721, were amended by adopting the term "furanose" in place of "sugar." Four dependent claims, 838-841, were also added, these claims reciting that "said furanose comprises ribose or deoxyribose."

A copy of the first three pages from the Supplemental Amendment is enclosed.

I will contact you around the middle of next month (January) to check on your availability for an office interview. Hopefully, the scanning of this latest paper will have been completed by that time.

Please do not hesitate to contact me if you have any questions or comments, or if further information is required.

Thank you.

Cordially,

Ronald C. Fedus  
Corporation and Patent Counsel

Enclosures

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**RECEIVED**

Applicants: Jannis Stavrianopoulos et al. )  
Serial No. 07/956,566 )  
Filed: October 5, 1992 )  
Title: NUCLEIC ACID COMPOSITION )  
WITH A PROPERTY CHANGE )  
EFFECTING ENTITY )  
(As Previously Amended) )

JAN 05 2004  
Group Art Unit: 165 TECH CENTER 1600/2900  
Examiner: Carla J. Myers

**COPY**

527 Madison Avenue, 9th Floor  
New York, NY 10022-4304  
December 30, 2003

**FILED VIA EXPRESS MAIL**

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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**SUPPLEMENTAL AMENDMENT TO APPLICANTS'**  
**NOVEMBER 3, 2003 AMENDMENT UNDER 37 C.F.R. §1.115**

Dear Sirs:

Please enter this response (Supplemental Amendment To Applicants' November 3, 2003 Amendment Under 37 C.F.R. §1.115), the latter having been directed to the Office Action mailed on May 2, 2003 in connection with the above-identified application. A Request For Extension Of Time (3 Months) and authorization for the fee therefore, was previously submitted with Applicants' November 3, 2003 Amendment. No additional extension or extension fees are believed due in connection with this filing. Accordingly, this response (Supplemental Amendment) is being timely filed.

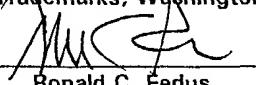
Jannis G. Stavrianopoulos et al.

Serial No. 07/956,566

Filed: October 5, 1992

Page 2 [Supplemental Amendment To Applicants' November 3, 2003 Amendment  
Under 37 C.F.R. §1.115 - December 30, 2003]

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EXPRESS MAIL CERTIFICATE	
"Express Mail" Label No.	<u>EL769578194US</u>
Deposit Date	<u>December 30, 2003</u>
I hereby certify that this paper and the attachments herein are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington DC 20231.	
	<u>DCC 30 2003</u>
Ronald C. Fedus	Date
Reg. No. 32,567	